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Title : Failure of the Universal Joint on the
Actuating Link Rod of an Undercarriage
in an AN-32 Aircraft

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Keywords : Undercarriage, link rod, universal joint, aluminium alloy,
fatigue failure.

Abstract : In an AN-32 aircraft, the universal joint on the actuating
link rod of the inboard door of the starboard undercarriage
was found broken. Fractography revealed that this universal
joint had fractured due to a preexisting fatigue crack coupled
with overload.